

Sheet 1 50082/015002 U.S. DEPARTMENT OF COMMERCE Attorney Docket No. **SUBSTITUTE FORM PTO-1449** PATENT AND TRADEMARK OFFICE (MODIFIED) Serial No. 09/976,605 Grant McFadden et al. **Applicant** INFORMATION DISCLOSURE October 11, 2001 **Filing Date** STATEMENT BY APPLICANT (Use several sheets if necessary) Group 1645 **IDS** Filed November 7, 2002 (37 CFR §1.98(b)) 21559 Customer No. **U.S. PATENTS** Class **Subclass** Filing Date Patent **Issue Date Patentee** Examiner's Initials Number (If Appropriate) はい 5,834,419 11/10/98 McFadden et al. FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Translation **Subclass** Examiner's **Document Publication** Country or Class (Yes/No) **Patent Office** Number Date Initials 10/15/92 PCT WO 92/17583 WO 91/16431 10/31/91 PCT WO 96/33730 10/31/96 PCT 04/03/97 **PCT** WO 97/11714 WO 97/44054 11/27/97 **PCT** OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) UL Ahuja et al., "Chemokine receptors and molecular mimicry," Immunol. Today 15:281 (1994). Alcami et al., "Soluble interferon-gamma receptors encoded by poxviruses," Comp. Immunol. Microbiol. Infect. Dis. 19:305 (1996). Alcami et al., "Vaccinia, cowpox, and camelpox viruses encode soluble gamma interferon receptors with novel broad species specificity," J. Virol. 69:4633 (1995). Alcami et al., "Receptors for gamma-interferon encoded by poxviruses: implications for the unknown origin of vaccinia virus," Trends Microbiol. 4:321 (1996). Amano et al., "Identification and characterization of the thymidine kinase gene of Yaba virus," J. of General Virology 76:1109, (1995) Barinaga, "Viruses launch their own "Star Wars," Science 258:1730 (1992). Chaudhuri et al., "Expression of the Duffy antigen in K562 cells," J. Biol. Chem. 269:7835 (1994). Elsner et al., "Eotaxin-2 activates chemotaxis-related events and release of reactive oxygen species via pertussis toxin-sensitive G proteins in human eosinophils," Eur. J. Immunol. 28:2152 (1998). **DATE CONSIDERED** EXAMINER EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant

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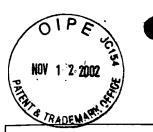


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(Use several sheets if necessary) (37 CFR §1.98(b))		Group	1645				
		IDS Filed	November 7, 2002				
		Customer No.	21559				
	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE,	DATE, PLACE OF PUBLI	CATION)				
Endres et al., "CD4-independent infection by HIV-2 is mediated by Fusin-CXCR4," Cell 87:745 (1996).							
	Essani et al., "Multiple anti-cytokine activities secreted from tanapox virus-infected cells," <i>Microbial</i> . Pathogenesis 17:347 (1994).						
	Fenger et al., "Proteins of Yaba monkey tumor virus I structural proteins," J. of Virol. 18:757, (1976).						
	Graham et al., "Myxoma virus M11L ORF encodes a protein for which cell surface localization is critical in manifestation of viral virulence," Virol. 191:112 (1992).						
	Graham et al., "The T1-35kDa family of poxvirus-secreted proteins bind chemokines and modulate leukocyte influx into virus-infected tissues," Virol. 229:12 (1997).						
	Hoffman et al., "Chemokine regulation of CNS T-cell infiltration in experimental autoimmune encephalomyelitis," Research in Immunology 149:790 (1998).						
	Horuk et al., "Molecular properties of the chemokine receptor family," Tips 15:159 (1994).						
	Hu et al., "Cowpox virus contains two copies of an early gene encoding a soluble secreted form of the type II TNF receptor," Virol. 204:343 (1994).						
	Knight et al., "Studies on tanapox virus," Virol. 172:116 (1989).						
	Kotwal et al., "Regulation of cytokine secretion by poxvirus encoded proteins," Adv. In Exp. Med. and Biol. 351:187, eds. Lindley, Westeick, and Kunkel, Plenum Press, NY (1992).						
	Lee et al, "The genome sequence of Yaba-like disease virus, a yatapoxvirus," Virol. 281:170 (2001)						
	Lomas <i>et al.</i> , "Inhibition of plasmin, urokinase, tissue plasminogen activator, and C ₁₈ by a myxoma virus serine proteinase inhibitor," <i>J. Biol. Chem.</i> 268:516 (1993).						
	Macen <i>et al.</i> , "SERP1, a serine proteinase inhibitor encoded by myxoma virus, is a secreted glycoprotein that interferes with inflammation," <i>Virol.</i> 195:348 (1993).						
	McFadden, "Rabbit, hare, squirrel and swine poxviruses," <i>Encyclopedia of Virology</i> pp. 1153-1160 (1997).						
	McFadden et al., "Myxoma T2 proteins as a model for poxvirus TNF receptor homologs," J. of Neuroimmunology 72:119 (1997).						
	McFadden <i>et al.</i> , "Interruption of cytokine networks by poxviruses: lessons from myxoma virus," <i>J. Leukocyte Biol.</i> 57:731 (1995).						
	Mossman et al., "Myxoma virus M-T7, a secreted homolog of the interferon-gamma receptor, is a critical virulence factor for the development of myxomatosis in European rabbits," <i>Virol</i> . 215:17 (1996).						
J /	Mossman et al., "The myxoma virus-soluble interferon-gamma receptor homolog, M-T7, inhibits interferon-gamma in a species specific manner," J. Biol. Chem. 270:3031 (1995).						
EXAMINER Charles Date Considered 7/10/00							
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include							

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	OTHER DOCU	IMENTS (INCLUDING AUTHOR, TITI	LE, DATE, PLACE OF PUBLI	CATION)		
Mossman et al., "Species specificity of ectromelia virus and vaccinia virus interferon-gamma binding proteins," Virol. 208:762 (1995).						
1	Mossman et al.,	"Interferon-y receptors encoded by				
	Immune Modulators Encoded by DNA Viruses pp. 41-54 Ed: McFadden, R.G. Landers Co. (1994). Neote et al., "Molecular cloning, functional expression, and signaling characteristics of a C-C chemokine					
	receptor," Cell 72:415 (1993).					
	 Neurath et al., "Search for Hepatitis B virus cell receptors reveals binding sites for interleukin 6 on the virus envelope protein," J. Exp. Med. 175:461 (1992). Olsen et al., "Immunodiffusion analysis of Yaba poxvirus structural and associated antigens," J. of Virol. 5:212, (1970). Opgenorth et al., "Deletion of the growth factor gene related to EGF and TGFα reduces virulence of malignant rabbit fibroma virus," Virol. 186:175 (1992). Opgenorth et al., "Deletion analysis of two tandemly arranged virulence genes in myxoma virus, M11L and myxoma growth factor," J. Virol. 66:4720 (1992). 					
		"Transforming growth factor alpha e myxoma growth factor in the inde				
-	Paulose et al., "Selective inhibition of TNF-α induced cell adhesion molecule gene expression by tanapox virus," <i>Microbial. Pathogenesis</i> 25:33 (1998).					
	Powell et al., "An I-kappa-B homolog encoded by African swine fever virus provides a novel mechanism for downregulation of proinflammatory cytokine responses in host macrophages," J. Virol. 70:8527 (1996).					
	Schreiber et al., "The myxoma virus TNF-receptor homologue (T2) inhibits tumor necrosis factor-alpha in a species-specific fashlon," Virol. 204:692 (1994). Sedger et al., "M-T2: A poxvirus TNF receptor homologue with dual activities," Immunol. and Cell Biol. 74:538 (1996). Smith et al., "T2 open reading frame from the shope fibroma virus encodes a soluble form of the TNF receptor," Biochem. Biophys. Res. Commun. 176:335 (1991).					
·						
	Smith, "Virus proteins that bind cytokines, chemokines or interferons," Curr. Opin. Immunol. 8:467 (1996). Symons et al., "Vaccinia virus encodes a soluble type I interferon receptor of novel structure and broad species specificity," Cell 81:551 (1995). Trkola et al., "CD4-dependent, antibody-sensitive interactions between HIV-1 and its co-receptor CCR-5," Nature 384:184 (1996). Upton et al., "Tumorigenic poxviruses: genomic organization and DNA sequence of the telomeric region of the shope fibroma virus genome," Virol. 160:20 (1987).					
	Upton et al., "Myxoma virus expresses a secreted protein with homology to the tumor necrosis factor receptor gene family that contributes to viral virulence," Virol. 184:370 (1991).					
}	Upton et al., "Encoding of a homolog of the IFN-gamma receptor by myxoma virus," Science 258:1369 (1992).					
V	Upton e <i>t al.</i> , "Maj epidermal growtl	oping and sequence of a gene from h factor and transforming growth fa	myxoma virus that is relate actor alpha," <i>J. Virol</i> . 61:127	d to those encoding I (1987).		
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include

copy of this form with the next communication to applicant.